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MAR 1 3 2006

Attorney Docket No.: 2001P12035WOUS

IN THE UNITED STATES PATENT & TRADEMARK OFFICE

March 13. 2006

Certificate

MAR 1 6 2006

Patent No.: 7,007,866 B2

Date of Patent: March 7, 2006

of Correction

ATTN: Certificate of Correction Branch

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

CERTIFICATE OF CORRECTION REQUEST

I hereby certify this request is being faxed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 at (571) 273-8300 on the date shown below.

Undersigned counsel has received the US Patent No. 7,007,866, issued March 7, 2006. However, the Assignee shown below was listed incorrectly and should be as follows:

BSH Bosch und Siemens Hausgeraete GmbH, Munich (DE)

It is requested that a Certificate of Correction be issued to reflect the corrected Assignee.

Respectfully submitted,

Craig J. Loest

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Total number of faxed pages is 2, pertinent Patent page(s) requiring correction and cover sheet.

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(12) United States Patent

(10) Patent No.:

. US 7,007,866 B2

(45) Date of Patent:

Mar. 7, 2006

(54) METERING DEVICE FOR THE CONVEYANCE OF SMALL SUBSTANCE

QUANTITIES

(75) Inventor. Christian Fricke, Berlin (DE)

(73) Assignee: BSH Bosch und Seimens Hausgeraete GmbH. Munich (DE)

Subject to any disclaimer, the term of this (*) Notice: patent is extended or adjusted under 35 U.S.C. 154(b) by 350 days.

(21) Appl. No.: 10/601,638

(22) Filed: Jun. 23, 2003

Prior Publication Data (65)Feb. 12, 2004 US 2004/0026527 A1

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	Foreign Application Priority Data		
Dec. 22, 2000	(DE)	190 65 855	

(51) Int. Cl. A62C 13/62 (2006.01)

(52) U.S. Cl. 239/302; 239/102.1; 239/101; 239/102.2; 397/84

(58) Field of Classification Search 239/34, 239/57, 302, 101, 102.1, 102.2; 347/6, 84, 347/20, 25, 27, 56, 63, 65 See application file for complete search history.

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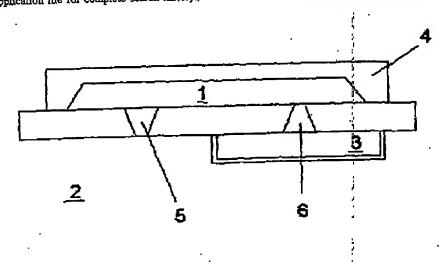
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ABSTRACT (57)

A metering device for the conveyance of small substance quantities out of a reservoir into an application space by a diaphragm micropump that can be used, in particular, for the conveyance of small doses of gases includes the diaphragm micropump conveying an aromatic through a nozzle/diffuser system in fixed doses out of a reservoir first into a pump chamber and subsequently into an application space. As such, by the action of the diaphragm micropump, the volume and pressure of the pump chamber are varied so that aromatic is alternately drawn out of the reservoir into the pump chamber and pressed out of the pump chamber into the application space. In the event of a periodic change in the volume of the pump chamber, a subsumee located in the reservoir is, thus, conveyed slowly and in predetermined minimal doses into the application space in the course of

14 Claims, 2 Drawing Sheets



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